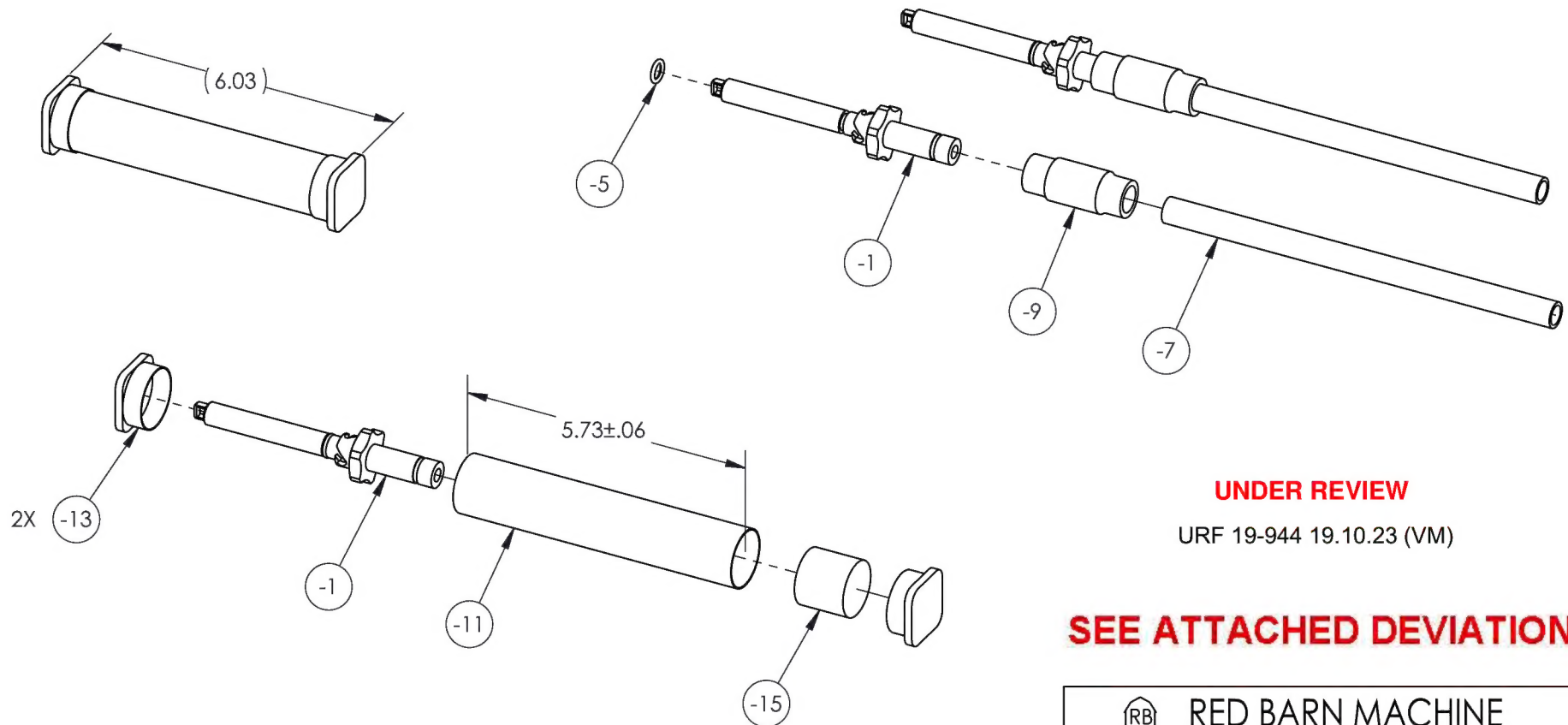


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	DELETED ITEM #'S AND LISTED AS PART #'S, ALSO IMPLEMENTED NEW REV., BOM & TITLE BLOCK	9/21/07	WP	RW
2	DELETED -3 COLLAR, & ADDED -9 CLAMP, REFORMATED DIMENSIONS & ADDED ASSY VIEW	7/24/2012	WP	RW
3	CH'D TOOL NUMBER FROM H4749 PER E.B. CH'D ANGLE OF NOTCH FROM 60° TO 90° PER G.E.	7/24/2012	RJC	RW
4	MODIFIED -1 TO USE WITH COUPLING, ADDED COUPLING, TUBE, AND CAPS, REMOVED HOSE CLAMP.	7/24/2012	JAG	SE
5	-1 ADDED MISSING DIM Ø.312, CH'D DIM WAS .125 IS .125+-.005/-0.000 $\nabla$ .090.	2/26/2013	BIM	JG
5A	CH'D -11 LENGTH FROM 5.83 TO 5.73 & -15 MATERIAL. -1 CH'D TOL TO 2 PLC ON 1.35, .05, & 4.98, DP 4.935 TO 4.93 MAX, WAS Ø1.062 IS Ø1.06. CH'D NOTES WAS ENGRAVE P/N IS ENGRAVE T/N, S/N, "MADE IN USA", WAS 6X R.375 EQUALLY SPACED IS 6X R.38 EQUALLY SPACED ON Ø1.60 B.C., DELETED .244, .096.	1/30/2014	JAG	GE

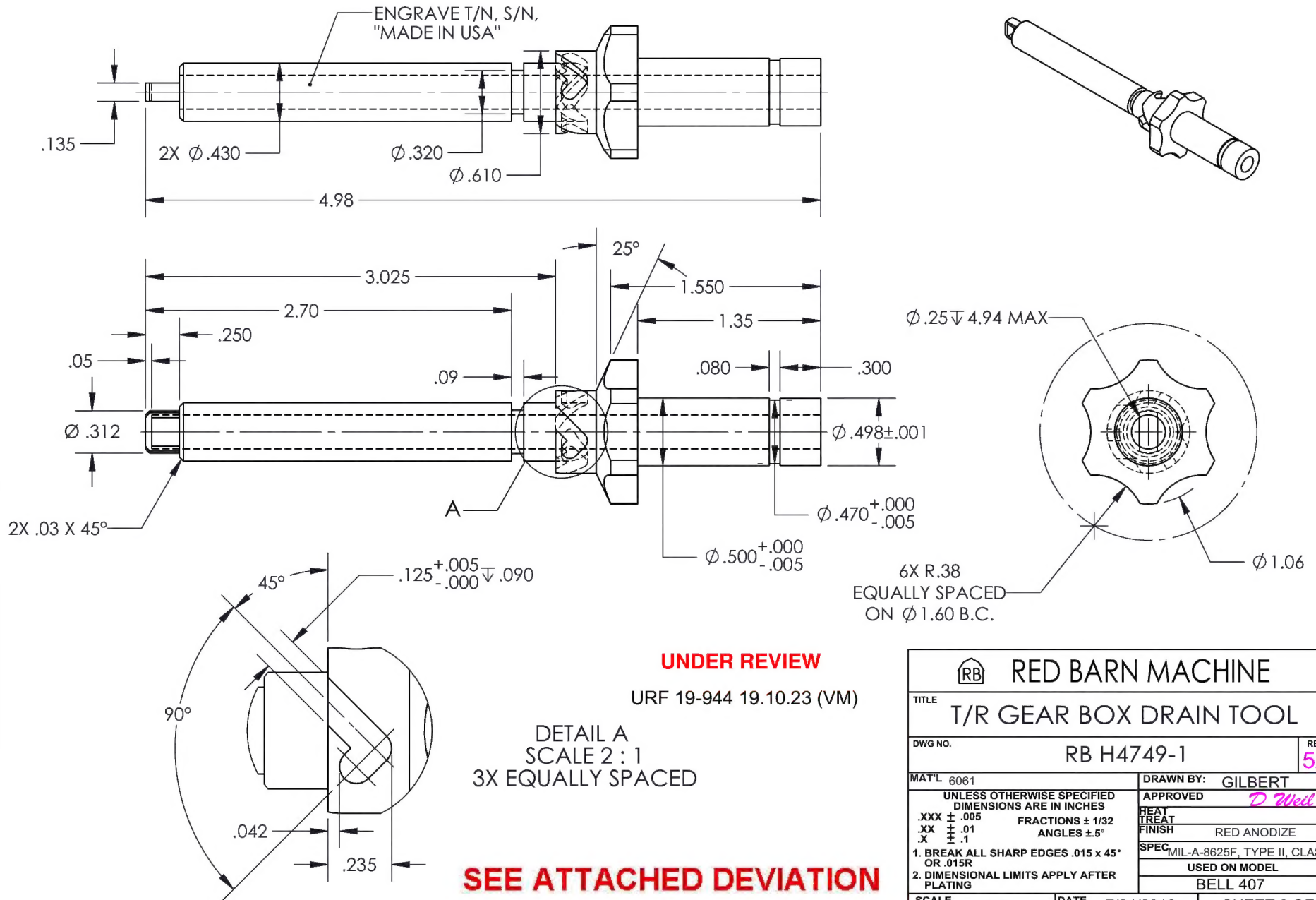


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	BODY	6061	Ø1-1/8 X 5-1/8	2
		B/O	-5	1	O-RING	VITON	2-011N70 OR MCMaster-CARR #9263K642	1
		B/O	-7	1	HOSE	VINYL	Ø1/2 O.D. x Ø3/8 I.D. x 6ft KURI-TECH #K010-0608	1
		B/O	-9	1	COUPLING	NICKEL-PLATED BRASS	Ø1/2 MCMaster-CARR #51495K116	1
		B/O	-11	1	TUBE	POLYETHYLENE	Ø1.09 MCMaster-CARR #2044T47	1
		B/O	-13	2	CAP	VINYL	Ø1.09 MCMaster-CARR #2044T67	1
		B/O	-15	1	FOAM	POLYESTER/POLYURETHANE	Ø1 X 1 NEW PIG CORP. #PAD210	1

RB RED BARN MACHINE	
TITLE TRANS. & GEAR BOX DRAIN TOOL	
DWG NO. RB H4749	REV 5A
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: D. ROBERTS APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL BELL 407
SCALE 1:3	DATE 2/28/2000
SHEET 1 OF 2	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
4	INCREASED STEM LENGTH FROM .80 TO 1.35, REMOVED BARB ADDED GROOVE.	7/24/2012	JAG	SE
5	ADDED MISSING DIM $\phi .312$ , CH'D DIM WAS .125 IS $.125^{+.005}_{-.000} \nabla .090$	2/26/2013	BIM	JG
5A	-1 CH'D TOL TO 2 PLC ON 1.35, .05, & 4.98, DP 4.935 TO 4.93 MAX, WAS $\phi 1.062$ IS $\phi 1.06$ . CH'D NOTES WAS ENGRAVE P/N IS ENGRAVE T/N, S/N, "MADE IN USA", WAS 6X R.375 EQUALLY SPACED IS 6X R.38 EQUALLY SPACED ON $\phi 1.60$ B.C. DELETED .244, .096.	1/30/2014	JAG	GE



RED BARN MACHINE			
TITLE		T/R GEAR BOX DRAIN TOOL	
DWG NO.		RB H4749-1	REV 5A
MAT'L 6061		DRAWN BY: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX $\pm .005$		HEAT TREAT	
.XX $\pm .01$		FINISH RED ANODIZE	
.X $\pm .1$		SPEC MIL-A-8625F, TYPE II, CLASS II	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		BELL 407	
SCALE 1:1	DATE 7/24/2012	SHEET 2 OF 2	

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

Job: _____  Part No. <u>RB H4749 Rev. 5A</u>	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	<b>DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Water Jet <input type="checkbox"/>            Supplier Quality <input type="checkbox"/> </div> </div>		
Date : _____	Sequence #: _____	QTY Affected : _____		<b>MRB (QSI042)</b>  Oct 30, 2018
<b>Description Work Order Deviation</b>		<b>Disposition</b>		<b>Completed By</b>
Kuri-Tech Hose (K010-0608) easily pulls out of Coupling (McMaster Carr 51495K116)		Install a 1.0" long, 0.38" OD, 0.25" ID piece of Stainless Steel into one end of the Kuri-Tech Hose until flush.  Attach the modified end of the Kuri-Tech Hose to the Coupling before placing tool into packaging (if applicable).  This deviation is acceptable.  The fit, form and function of the part will be as originally intended.		Lead hand / Supervisor  _____
				QC / QA Coordinator  _____
				_____
<b>Root Cause</b>		<b>FAULT CATEGORY</b>		
<div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input checked="" type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div>		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced  <input type="checkbox"/> Bending  <input type="checkbox"/> Crushing  <input type="checkbox"/> Cracks  <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist  <input type="checkbox"/> Marks/Chatter  <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination  <input type="checkbox"/> Misaligned/off center  <input type="checkbox"/> BOM/Route  <input type="checkbox"/> Broken/Damage/Defect  <input type="checkbox"/> Incomplete/Unclear Instructions  <input type="checkbox"/> Drill Holes  <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Folio/Program  <input type="checkbox"/> Grain Direction  <input type="checkbox"/> Weld  <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Out of Sequence  <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong  <input type="checkbox"/> Outside Tolerance  <input type="checkbox"/> Drawing  <input type="checkbox"/> Finish  <input type="checkbox"/> Part Lost/Missing  <input type="checkbox"/> Misread         </div> </div>		
		Other/Details:		

UNDER REVIEW

URF 19-944 19.10.23 (MM)